

Computing

Year 5 and 6

Autumn

Topic Multimedia						
Rationale In an ever changing technological world there is a need for all to keep up to date with both media software and hardware. Giving our children access to and the discrete teaching of multimedia skills will enable them to create, adapt and present work to a high standard whilst also allowing for flexibility and creativity.						
NC Objective To use technology purposefully to create, organise, store, manipulate and retrieve digital content. To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.						
Links to other Subject/Topics (Year A)				Links to other Subject/Topics (Year B) Geography – Local study History – World War 2 DT – Product research		
Note that E Safety, although it is taught as a topic in computing it will be referred to throughout each lesson where computing is used.						
Inspiration for Aspiration Digital Marketing, Content Creator, Digital Artist, Animator, Teacher.						
Key Content Year 5 Sound Recording (Audacity) <ul style="list-style-type: none"> How can I collect audio from a variety of resources including own recordings and internet clips? How can I create a multi-track recording using effects? How can I edit and refine my work when evaluating? Video <ul style="list-style-type: none"> How can I capture videos for a purpose? How can I plan for the use of special effects and transitions? How can I trim, arrange and edit audio levels to improve quality of my work? How can I export my video? Graphics (Minecraft) <ul style="list-style-type: none"> How can I recreate a representation of an existing building? What tools can I use to create my own building? What materials can I use to best represent the building? How can I look from different angles to get the best representation? 				Key Content Year 6 Animation <ul style="list-style-type: none"> How can I plan a multi-scene animation including characters, scenes, camera angles and special effects? How can I use stop/go animation to create my own animation? What does adjusting the number of photographs taken do to the quality of the animation? How can I publish my movie and add credits and titles? Video <ul style="list-style-type: none"> How can I capture videos for a purpose? How can I plan for the use of special effects and transitions? How can I trim, arrange and edit audio levels to improve quality of my work? How can I export my video? Presentation (PowerPoint/Pages) <ul style="list-style-type: none"> How can I use speaker's notes to improve my slides? How can I use transitions and animations to improve the quality of the presentation? How can I include sounds and moving graphics in the slides? How can I best present my slides to the class? 		
Concepts						
Multimedia	1	2	3	4	5	6
Graphics						

Text						
Sound						
Video						
2 Create						
Animation						
Presentation						

<p>Skills and Knowledge Year 4</p> <ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	<p>Skills and Knowledge Year 5</p> <p>Pupils record and edit media to create a short sequence - extended by editing the final product in using video editing software</p>	<p>Skills and Knowledge Year 6</p> <p>Pupils record and edit media to create a short sequence - extended by editing the final product in using video editing software</p> <p>Pupils learn how to develop a storyboard and then create a simple animation using for instance Puppet pals’ or ‘Stop Motions Animation’ - this may be extended by editing the final product in using video editing software</p> <p>Pupils learn to write and deliver a presentation, incorporating a range of media</p>
<p>Year 4</p> <p>Target audience, publishing, create, book, combine, author, title, slide, layout, insert, graph, internet, transition, trim, arrange, credits, special effects.</p>	<p>Year 5</p> <p>Audio, recordings, multi track record, effects, edit, refine, outcomes, storyboard, capture, trim, arrange, export, tools, design, texture, viewpoint.</p>	<p>Year 6</p> <p>Plan, multi-scene, scenes, camera angles, special effects, stop go animation, playback, publish, edit, refine, storyboard, export, animations, sounds, moving graphics, present.</p>
<p>By the end of the topic Year 5 children will: -</p> <p>Be able to collect audio from a range of resources in order to create a multitrack recording and edit accordingly following an evaluation. Children will be able to capture, trim and edit videos for a purpose with special effects and transitions. Children will also be able to layer audio files to improve the quality of sound. Children will be able to export the video. Children will be able to recreate representations of an existing building and choose materials and tools to use for the best possible representation. Children will use different angles of the building in order to fully reflect this in their representation.</p>	<p>By the end of the topic Year 6 children will: -</p> <p>Be able to plan a multi scene animation with characters, scenes, camera angles and special effects. They will also be able to use stop/go animations and understand that changing the number of pictures will improve the quality of animation. Children will be able to add any credits or title scenes to their movies. Children will be able to capture, trim and edit videos for a purpose with special effects and transitions. Children will also be able to layer audio files to improve the quality of sound. Children will be able to export the video. They will be able to use speaker’s notes within PowerPoints or presentations to improve their understanding and delivery. Children will also be able to use transitions within slides and be able to add in moving animations or graphics.</p>	
<p>Assessment</p> <p>Ongoing assessment of animation. Presentation to others around WW2 topic.</p> <p>Example</p> <p>Children to use features of keynote or PowerPoint in order to produce a presentation in which they can present to their peers to demonstrate understanding of a given topic area ensuring use of speakers notes.</p>		